

# Choosing a time period with **Giovanni-4**

The following slides demonstrate how to choose a time period for analysis with the Giovanni-4 interface

# How a time-period is selected with Giovanni-3

In Giovanni-3, the time period is usually selected after the region and data product(s) have been selected. Drop-down menus are used to select the **Begin Date**, Year, Month, and Day (for Daily data) and the **End Date** Year, Month, and Day.


**Temporal**

<b>Begin Date</b>	<b>Year</b> 2007 ▾	<b>Month</b> Mar ▾	<b>Day</b> 1 ▾	(Date Begin: 31 Aug 2002)
<b>End Date</b>	<b>Year</b> 2007 ▾	<b>Month</b> Mar ▾	<b>Day</b> 28 ▾	(Date End: 28 Feb 2013)

**Select Visualization:**

Lat-Lon map, Time-averaged ▾ [Edit Preferences](#)

[Generate Visualization](#) [Reset](#)

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**This is the drop-down menu used to select the Month for the End Date of the desired time-period.**

# How a time-period is selected with Giovanni-4

In Giovanni-4, the time period will usually be selected *after* the visualization type has been selected. The Begin Date and End Date are selected with calendar displays, in which the Year and Month are selected with drop-down menus. The Begin Day and End Day Date is selected with the calendar, as shown for the End Date below.

The screenshot displays the Giovanni-4 web interface. On the left, the 'Select Variables' section is visible, with 'Disciplines' and 'Measurements' listed. The 'Select Date Range (UTC)' section shows a date range from 2009-12-01 to 2009-12-31. A 'Pick an end date' dialog box is open, showing a calendar for December 2009. The date 31 is selected. A callout box points to the calendar with the text: 'The drop-down calendar is used to select the Year, Month, and Day for the *Begin Date* and *End Date*.'

**Select Date Range (UTC)**  
YYYY-MM-DD  
2009 - 12 - 01 00 hrs to 2009 - 12 - 31 23 hrs  
Valid Range: 1979-01-01 to 2014-11-28

**Select Region (Bounding Box)**  
Format: West, South, East, North  
-180, -90, 180, 90

**Select Variables**

▼ **Disciplines**

- ☐ Aerosols (118)
- ☐ Atmospheric Chemistry (12)
- ☐ Atmospheric Dynamics (62)
- ☐ Hydrology (16)
- ☐ Water and Energy Cycle (26)

▼ **Measurements**

- ☐ Aerosol Index (1)
- ☐ Air Pressure (4)
- ☐ Air Temperature (14)
- ☐ Albedo (5)
- ☐ Altitude (4)
- ☐ Angstrom Exponent (16)
- ☐ Atmospheric Moisture (20)
- ☐ CH4 (4)
- ☐ CO (4)

**Pick an end date**

2009 12 - Dec

Su	Mo	Tu	We	Th	Fr	Sa
29	30	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2
3	4	5	6	7	8	9

0 of 219 Total Variable(s) included in Plot: 0

Search Clear

# How a time-period is selected with **Giovanni-4**:

## Alternative method with monthly data

In Giovanni-4, there is a simpler alternative method to choose the time period, if a visualization of a monthly data variable is desired. If the monthly data variable is chosen before the time period (as shown below), the Date Range selections will be constrained to only Year and Month.

**Select Date Range (UTC)**  
YYYY-MM  
2009 - 12 - 01 00 hrs to 2009 - 12 - 31 23 hrs

**Select Region (Bounding Box)**  
Format: West, South, East, North  
-180, -90, 180, 90

**Pick a start date**  
2009 11 - Nov  
01 - Jan  
02 - Feb  
03 - Mar  
04 - Apr  
05 - May  
06 - Jun  
07 - Jul  
08 - Aug  
09 - Sep  
10 - Oct  
11 - Nov  
12 - Dec

**Number of matching Variables: 0 of 219**  
Keyword: Search Clear

	Variable Name	Source	Temp. Res.	Spat. Res.	Begin Date	End Date	Vert. Slice
<input checked="" type="checkbox"/>	Cloud Fraction (Daytime/Ascending) (AIRX3STM v006)	AIRS	Monthly	1 °	2002-09-01	2014-09-30	-

**Total Variable(s) included in Plot: 1**

Help Reset Feedback **Plot Data**

**The Date Range drop-down menus only display Year and Month.**

**The monthly data variable is chosen first.**

**End  
of  
demonstration**